

553,142

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
18 November 2004 (18.11.2004)

PCT

(10) International Publication Number  
**WO 2004/098584 A1**

- (51) International Patent Classification<sup>7</sup>: **A61K 31/18**, 31/24, 31/235, 31/44, C07C 311/51, C07D 213/71
- (74) Agent: **SIMON, Soma, G.**; UW2220, 709 Swedeland Road, King of Prussia, PA 10406 (US).
- (21) International Application Number:  
PCT/US2003/011704
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 16 April 2003 (16.04.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (71) Applicant (*for all designated States except US*): **SMITHKLINE BEECHAM CORPORATION** [US/US]; P.O. Box 7929, One Franklin Plaza, Philadelphia, PA 19101 (US).
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- (71) Applicants and
- (72) Inventors: **CHRISTENSEN, Siegfried, B., IV** [US/US]; 1250 South Collegeville Road, Collegeville, PA 19426 (US). **CUMMINGS, Maxwell, D.** [CA/US]; 659 West Valley Road, Strafford, PA 19087 (US). **LEE, Jinhwa** [KR/US]; 1250 South Collegeville Road, Collegeville, PA 19426-0989 (US). **XIANG, Jia-ning** [CN/US]; 707 DeSoto Drive, Palo Alto, CA 94303 (US).
- Published:**  
— *with international search report*
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: **PEPTIDE DEFORMYLASE INHIBITORS**

(57) Abstract: Novel PDF inhibitors and novel methods for their use are provided.



**WO 2004/098584 A1**